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AMENDMENTS TO THE CLAIMS

Following is a complete listing of the claims pending in the application, as amended:

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(Cancelled) 1-4.

5. (Currently Amended) A method of implementing a sliding window protocol for transmitting frames in a communication system, the method comprising:

at a data receiving unit, identifying a failure to successfully receive a lost frame sent over a first channel from a data sending unit implementing a sliding window under the sliding window protocol, wherein the lost frame has a sequence number;

establishing a second channel between the data sending unit and the data receiving unit; and

sending a request for retransmission of the lost frame over the established second channel, and wherein use of the second channel allows the sliding window at the data sending unit to be advanced beyond the sequence number of the lost frame prior to receiving an acknowledgement of receipt of the lost frame from the data receiving unit.

- (Previously Presented) The method of claim 5 wherein the second 6. channel is a logical tunnel channel.
- (Previously Presented) The method of claim 5, further comprising: 7. receiving the lost frame at the data receiving unit, wherein the lost frame is received via the second channel.
- (Previously Presented) The method of claim 5, further comprising: 8. sending an acknowledgement of receipt of the lost frame at the data receiving unit.

9. (Previously Presented) The method of claim 5 wherein the data receiving unit has a receive sliding window.

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- 10. (Previously Presented) The method of claim 5 wherein a rate of data transfer from the data sending unit to the data receiving unit is different from a rate of data transfer from the data receiving unit to the data sending unit.
- 11. (Currently Amended) A method of transmitting frames in a communication system, the method comprising:

at a data receiving unit, identifying a failure to successfully receive a lost frame sent over a first channel from a data sending unit under a moving window scheme having a moving window at the data sending unit configured to advance from a minimum sequence number to a maximum sequence number for a first series of frames, after which the moving window restarts at the minimum sequence number in a next series of frames, wherein the lost frame has a sequence number *N*;

establishing a second channel between the data sending unit and the data receiving unit; and

sending a request for retransmission of the lost frame over the second channel, wherein use of the second channel allows the moving window at the data sending unit to be advanced beyond the sequence number of the lost frame <u>until it restarts</u>, and <u>then</u> to a maximum point of *N*–1 prior to receiving an acknowledgement of receipt of the lost frame from the data receiving unit.

- 12. (Previously Presented) The method of claim 11 wherein the second channel is a logical tunnel channel.
- 13. (Previously Presented) The method of claim 11 wherein the data receiving unit has a receive moving window.

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14. (Previously Presented) The method of claim 11 wherein the data

receiving unit has a receive moving window and wherein the data receiving unit

acknowledges receipt of frames having sequence numbers outside the receive moving

window.

15. (Previously Presented) The method of claim 11, further comprising:

acknowledging receipt of frames irrespective of when the moving window at

the data sending unit closes.

16. (Canceled)

17. (Canceled)

18. (Canceled)

19. (Previously Presented) An apparatus for use in a communication

system implementing a sliding window protocol, the apparatus configured for receiving

frames from a data sending unit, the apparatus comprising:

means for identifying a failure to successfully receive, via a first channel, a

lost frame sent from a data sending unit implementing a sliding window under the sliding

window protocol, wherein the lost frame has a sequence number;

means for establishing a second channel between the data sending unit and

the data receiving unit; and

means for sending a request for retransmission of the lost frame via the

second channel, wherein use of the second channel allows the sliding window at the data

sending unit to be advanced beyond the sequence number of the lost frame prior to

receiving an acknowledgement of receipt of the lost frame from the receiver.

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20. (Previously Presented) The apparatus of claim 19, further comprising:

means for setting a first timer at the data receiving unit, wherein expiration of

the first timer before receipt of the lost frame will result in resending the request for

retransmission of the lost frame.

21.-31 (Canceled)